| POSITION                  | INITIALS | ID NO. | DATE                      |
|---------------------------|----------|--------|---------------------------|
|                           | 1211     |        | - (A) (9) <del>(</del> A) |
| FEE DETERMINATION         |          |        | 1.1                       |
| O.I.P.E. CLASSIFIER       |          | 12/    | 5/1/                      |
| FORMALITY REVIEW          | NN       | 7778   | 6/101                     |
| RESPONSE FORMALITY REVIEW | NN       | 778    | 8/3/01                    |
|                           | A-5      | 1 943  | 110-15-1                  |

## INDEX OF CLAIMS

|   | Rejected                               | N | Non-elected  |
|---|--|---|--------------|
|   | hawailA                                | ï | Interference |
| = | Allowed                                | A | Appeal       |
| _ | (Through numeral) Canceled  Restricted |   | Objected     |
|   | Restricted                             | U |              |

| Cla | T           |             |              |                |         | Date    |          |   |          |          |           | ٦                       |          | Cla   | aim      |              |    |          |          | D        | ate      |         |                         |          |          |            |          | Cla      | im       |          |          | _        | _{_      | Date         | 9              | - 1            |              |                         |              |
|-----|-------------|-------------|--------------|----------------|---------|---------|----------|---|----------|----------|-----------|-------------------------|----------|-------|----------|--------------|----|----------|----------|----------|----------|---------|-------------------------|----------|----------|------------|----------|----------|----------|----------|----------|----------|----------|--------------|----------------|----------------|--------------|-------------------------|--------------|
|     |             |             | 8            | i              | $\neg $ |         | ٦        | Г | T        | Т        | T         | ٦                       |          | -     | $\Box$   | 1104-06-03   | Γ  | T        | Τ        | T        | Τ.       | T       | Т                       | T        | T        | ٦          |          |          | Original |          | -        | -        |          |              |                |                |              | 1                       | -            |
| اه  | Original    | 107.05      | 0.98.1011    | ١              | ١       | -       | ı        |   |          |          | ı         | 1                       |          | Final | Original | 3            |    |          |          | 1        |          | -       | 1                       | Ì        | 1        | - 1        |          | Final    | Ē        |          |          |          | ۱        |              |                |                | 1            | -                       |              |
| 12  | ē           | 0           |              | .              | 1       |         |          |   | L        | ┙        | $\perp$   | ┙                       |          | 匠     | ŏ        | 8            | L  | 1        | ╀        | 4        | +        | +       | +                       | -        | $\dashv$ | $\dashv$   |          |          | 101      | +        | +        | +        | $\dashv$ | +            | 一              | 十              | $\dashv$     | 7                       | _            |
| ٦   | $\Box$      | 3           | 3            |                |         |         |          |   | 1.       |          |           |                         |          | L     | 51       | Ξ            | _  | 1        | 1        | 4        | +        | 4       | +                       | +        | $\dashv$ | 긕          |          | -        | 102      | +        | +        | +        | $\dashv$ | +            | 一              | -              | 1            | +                       |              |
| ٦   | ₹           | 17          |              |                |         |         |          |   | $\perp$  | $\perp$  |           | ┙                       |          |       | 52       | 0            | _  | L        | 4        | +        | +        | 4       | +                       | $\dashv$ | +        | $\dashv$   |          | Н        | 103      | +        | +        | +        | +        | +            | -              | 1              | 7            | 1                       | _            |
| 7   | V           | 7           |              |                |         |         |          |   |          |          | _1        | ╝                       |          | L     | 53       | 1            | L  | L        | 1        | ┸        | 4        | _       | -                       | -        | 4        | 4          |          | Н        | 104      | +        | +        | +        | -1       | +            | -              | $\dashv$       | -+           | $\dashv$                | _            |
| d   | 4           | 7           | Ξ            |                |         |         |          |   | Ι        | I        | $\Box$    |                         |          |       | 54       | Ξ            | L  | 1        | 1        | $\perp$  | +        | 4       | 4                       | -        | -        | $\dashv$   |          | $\vdash$ | 105      | +        | 十        | +        | ┪        | +            | $\dashv$       | -              | -            | 1                       |              |
|     | 5           | 7           | 1            |                |         |         |          |   | T        |          |           |                         |          |       | 55       | _            | L  | 1        | 1        | 4        | 4        | 4       | 4                       |          | -        |            |          | $\vdash$ | 106      | +        | +        | +        | $\dashv$ | -1           | ┪              | 一              | $\dashv$     | +                       |              |
| -   | 1           | 1           |              |                |         |         | 9        | Г | T        |          |           |                         |          | L     | 56       | 1            | L  | ┸        | 4        | _        | 4        | 4       | 4                       |          | -        | -          |          | $\vdash$ | 107      | +        | +        | +        | -        | $\dashv$     |                | $\dashv$       | ᅥ            | 1                       |              |
|     | M           | 1           |              |                |         |         |          | Γ | 1        |          |           |                         |          | L     | 57       | 1            | 1_ | 1        | 1        | 4        | 4        | -       | -+                      |          | -+       | $\dashv$   |          | -        | 108      |          | $\dashv$ | +        | -1       | $\dashv$     | $\dashv$       | $\dashv$       | -1           | 一                       | - :          |
|     | T           | 7           |              |                |         | •       |          | Γ |          |          |           |                         |          | L     | 58       | _            | 1  | 1        | 4        | 4        | 4        | -       |                         |          |          | ᅴ          |          | ŀ-       |          | +        | +        | $\dashv$ |          | $\dashv$     | $\neg$         |                | $\dashv$     | -1                      | Ė            |
| _   | *           | 7           | Г            | Г              |         |         |          | Т | Т        | П        |           |                         |          | L     | 59       | 12           | L  | 1        | $\perp$  | 4        | 4        | 4       | _1                      |          | -        | $\dashv$   |          | <u> </u> | 109      | +        | +        | -        |          | -            |                | $\dashv$       |              | $\dashv$                | -            |
| _   | 10          | 1           |              | Г              | -       |         |          | Т | Т        |          |           |                         |          | L     | 60       |              | Ĺ  | ┸        | 1        | ┸        | 4        | 4       | 4                       | _        |          | $\dashv$   |          | -        | 110      | 4        | $\dashv$ | +        |          |              |                |                |              |                         | H            |
|     | 4           |             |              | 1              |         |         | Г        | 1 | T        |          |           |                         |          | L     | 61       |              | L  |          | 1        | _        | 4        | _       | _                       |          | _        | -          | -        | $\vdash$ | 111      | +        |          | -1       | 1        | -            |                | -              | -            | -                       |              |
| _   | 112         |             |              |                |         | F       | T        | T | 1        |          |           |                         |          | L     | 62       |              | 1  | $\perp$  | $\perp$  | 1        | 4        | 4       | _                       | -        | _        |            |          | -        | 112      | -+       | -        | -        |          | 1            |                | Н              |              |                         | Г            |
| _   | ø           | 1           |              |                |         | Г       | Τ        | T | 7        |          |           |                         | ١.       |       | 63       | Q            | 上  |          | $\perp$  | $\perp$  | 4        | _       | _4                      |          |          | 1          | l        | -        | 113      | $\dashv$ | -        | -1       | -        |              | -              | H              |              | -                       | H            |
| _   |             |             | 1            | T              |         | Г       | Γ        | T | 1        |          |           |                         |          | L     | 64       | _            | 1  | $\perp$  | $\perp$  | $\perp$  | _        |         | _                       |          | Ш        | Н          |          | -        | 114      | -        | -        | -4       |          |              | H              | <del>   </del> | 1            | Н                       | H            |
| 3   | 檑           | 1           | _            | Τ              | 1       | 1.      |          | T |          | •        | ~ . !     |                         |          | E     | 65       | ما           | 4  | $\perp$  | $\perp$  | 1        | _        | _       | $\dashv$                |          | Ш        | Ш          | ر . ا    | $\vdash$ | 115      | -1       |          | -        | -        | H            |                | 2              | H            | Ш                       |              |
|     | 15          |             | 1            | 1              | 1       |         | 1.       | 1 | 7        |          |           |                         |          | Γ     | 66       | _            | 1  | 1        | 1        | $\perp$  |          | _       | $\perp$                 |          |          | <i>i</i> : | - 12     |          | 116      | -        | -1       |          | -        |              | <del>  -</del> | 3              | -            |                         | H            |
| -   | 1           | 1           | 1            | 1              | 1       | 1       | 1        | 1 |          |          | ·         |                         |          |       | 67       | ۱.           | Ł  | $\perp$  | 1        | $\bot$   |          |         | _                       |          |          |            |          | L        | 117      | -1       |          |          | -        | -            | -              | -              | 2201         | - 1                     | -            |
| _   | 뒘           | 1           | t            | 1              | T       | T       | 1-       | † | 1        | _        | Г         |                         | -        | Г     | 68       | 1            |    | 1        | _1       |          | _        |         |                         |          |          |            |          | 1-       | 118      | -        | -1       |          | -        | 1000<br>1200 | 1.3            | **             | 14.<br>14.   | ***                     | ľ            |
|     | 1           | _           | 1-           | 1              | 十       | -       | 1        | † | 7        | - 1      | Γ         |                         | 1        | Г     | - 61     | ٦,           | F  | - T      | 1        |          |          | . ]     |                         | -        |          |            | 1        | 1_       | 119      |          | _1       |          | _        | 5            | -              |                |              |                         |              |
|     | H           | 3           | 7            | ╁              | +       | 1       | †        | † | 7        |          | -         |                         | 1        | Γ     | 70       | T.           | T  | Ŧ        | ٦        |          |          |         |                         |          | '        |            |          | L        | 120      |          |          | "        | •        | -            |                |                | 3.1          | Ι.,                     | 1            |
| _   | 4           | 1           | _            | +              | ╀       | ╀       | ╁        | + |          |          | H         | ⊢                       | 1        | -     | 7        |              | 1  | +        | 1        | 7        |          |         |                         |          | -        | :          | 1        |          | 121      | -        |          |          | Ŀ        |              | 1              |                | 2            |                         | I            |
| _   | 3           | -           | 1-           | +              | -       | ╁       | 4-       | + | $\dashv$ | _        | ├         | ┼                       | 1        | -     | 7        |              |    | 1        | 7        | 一        |          |         |                         |          | 7        | 1          | 1        | Г        | 122      |          |          |          | Ŀ        | <u> </u>     | -              |                | L            | L.                      |              |
| _   | Œ           |             | 1            | ╀              | +       | -       | ╀        | + |          |          | ├-        | $\vdash$                | 1:       | H     | 7        |              | 7  | 1        | _        | 1        |          |         |                         |          |          |            | 1        |          | 123      | 3.73     |          |          |          |              |                | 2.7            | Š            |                         |              |
|     | 15          | <u>'</u>    | 1            | 1              | 1       | 1       | 4-       | + | -        |          | ⊢         | ╀                       | ŀ        | ٠,    | 17       |              | =  | -+       | 1        | 1        |          |         |                         | Г        | Г        | 1          | 1        | ·Г       | 124      | - 4      | . ,      |          |          |              | L              | -              | 13           |                         | 1            |
| _   | 11          | 4           | -            | <del> </del> - | 4-      | +       | ╁        | + | -1       |          | 1         | ╁                       | 1        | H     | 7        | 5 -          |    | +        | 1        |          |          |         |                         |          | Г        | Т          | 1        | Γ        | 125      |          |          |          | L        | 1.           |                | Ŀ              | 1            | L                       | 1            |
| -   | 1           | 1           |              | 1              | +       | +       | +        | + |          | -        | ╀         | ╁                       | 1        | +     | 7        |              |    | +        | 7        | 7        | _        | Г       |                         | Г        |          | Γ          | 1        |          | 126      |          |          |          | L        | L            | L              | L              | L            | L                       | 1            |
| _   | ìŤ          | 3           |              | ╀              | 1       | +       | +        | + |          | -        | ╀         | ╀                       | ┨        | H     | K        | <del>,</del> | =  | +        | 7        | 1        |          |         | 1                       | 1        | 1        | 1          | 1.       | Т        | 127      |          |          |          | 1:       |              | Ŀ              | L              | 1_           | L                       | $\perp$      |
| _   | J.          | Ų٠          |              | +              | 1       | +       | 4-       | 4 | -        | -        | ┞         | ╁                       | ┨        | H     | 7        |              | _  | +        | ┪        | 1        |          | Ι-      | 1                       | 1        | T        | 1          | 1.       |          | 12       |          |          | - 2      |          | L            | 1_             |                |              | <u>12</u>               | 4            |
| Ŀ   | 10 10 10 10 | 1           |              | 1              | 1       | +-      | +        | + |          | ┝        | -         | +-                      | -        | ╁     | 7        | 9            | =+ | +        | $\dashv$ | $\dashv$ |          | 1       | $\vdash$                | $\vdash$ | t        | 1          | 1        | Γ        | 129      |          |          |          | T        | 1_           | L              | Ĺ              | 上            | L                       | 1            |
| L   | 13          | 7           | 4            | 4-             | 1       | 4-      | +        | 4 |          | -        | ╀         | ╀                       | -        | ŀ     | - 1 -    | _            | 7  | $\dashv$ | -1       | $\dashv$ | _        | 1       | $\vdash$                | ✝        | 1        | 1          | 1        | Г        | 130      |          | 7 .      |          | T        | Τ_           | 1              | L              | L            | L                       | $\perp$      |
| L   | 18          | 0 0         |              | 1              | 4       | 4       | 4        | 4 |          | -        | ₽         | ╀                       | -        | -     |          |              | 7  | -1       | $\dashv$ | ㅓ        | -        | 一       | $\vdash$                | ╁        | T        | T          | 1        | $\vdash$ | 13       | 1        | -        |          | Т        | Τ            | 1              | $\Gamma$       |              |                         | 1            |
| L   |             |             | -            | +              | ╀       | 4       | - -      | 4 |          | <b> </b> | ╀         | ╀                       | 4        | ŀ     |          |              | 거  | -1       | $\dashv$ |          | _        | 1       | 1                       | 十        | T        | †          | 1        |          | 133      | 2        |          |          | Τ        | Τ            | T              |                | L            | L                       | L            |
| L   | 18          | 2 .         |              | 1              | 4       | 4       | 4        | 4 |          | ┞        | ╀         | ╀                       | 4        | 1     |          | -            | 러  | -+       | ᅥ        |          | H        | -       | ┪-                      | +        | +        | †          | 1        | 十        | 13       | 3        |          |          | Т        | Т            | Т              | Τ.             | L            |                         | l            |
| L   |             | 3 .         |              | 4              | 4       | 4       | +        | 4 | _        | ┝        | ╀         | +                       | 4        | H     | - 12     |              | 7  |          |          | Н        | $\vdash$ | t       | ╁                       | +        | T        | T          | 1        |          | 13       |          | Γ        | Γ        | Τ        | Ι            | Γ              | $\Gamma$       | L            | $oldsymbol{\mathbb{L}}$ |              |
| L   |             |             |              | $\bot$         | ì       | 4       | 4        | 4 | <u> </u> | -        | +         | ╀                       | 4        | ŀ     | -\\      |              | 기  |          |          | -        | $\vdash$ | +-      | +                       | ╁        | +        | +          | 1        | <b> </b> | 13       | _        | Г        | Τ        | Τ        | Τ            | T              | $\mathbf{I}$   | $\mathbf{I}$ |                         | $\mathbf{I}$ |
|     | G           | 5)          | 4            | $\perp$        | _       | 4       | 4        | _ | <u> </u> | -        | $\bot$    | +                       | -        | H     |          | 16           | 뉘  | $\dashv$ | _        | -        | ┝        | +       | 十                       | 十        | 十        | +          | 1        | F        | 13       |          | 1        | Τ        | T        | Τ            | Т              | Τ              | ]-           | L                       | I            |
| L   | 1           | 6           | 4            | 4.             | $\perp$ | 1       | 4        | _ | <u> </u> | ╀        | 1         | 4-                      | 40       | ומ    |          | _            | -  | -        | _        | $\vdash$ | -        | +       | +                       | +        | +        | +          | 1        | +        | 13       | +        | Γ        | Τ        | T        | T            | T              | T              | Τ            | I                       | I            |
| Ĺ   |             | 7           | <u> 1</u>    | ┸              | _       | 1       | 4        | _ | _        | 1        | 1         | 4                       | 4        | 4     |          | 37           | 4  | 4        | -        | -        | -        | ╁       | +                       | +        | +        | +          | $\dashv$ | F        | 13       | +-       | Τ        | T        | T        | T            | Т              | 1              | T            | T                       | Ţ            |
| Ĺ   | _[]         |             | <u> </u>     | $\perp$        | 1       | 4       | 4        | _ | _        | Ļ        | 4-        | +                       | 4        | -     | _        | 38           | -  | -        | -        | $\vdash$ | ┢        | +       | +                       | +        | +        | +          | 1        | ۲        | 13       | -        | T        | T        | T        | Τ            | T              | T              |              | 1                       | 1            |
| Ĺ   | ]           | 9           | 4            | $\perp$        | $\perp$ | 4       | 4        |   | L        | L        | 1         | 4                       | 4        | 1     |          | 39           | -  | _        | H        | ⊢        | $\vdash$ | +       | +-                      | +-       | +        | +          | 1        | H        | 14       | -        | 1        | 1        | T        | Ť            | T              | T              | 1            | T                       | Ţ            |
| Γ   | 1           | 0           | 4            | _1             |         | $\perp$ | ┙        |   | L        | L        | 1         | 1                       | _        | -     |          | 90           | _  |          | <u> </u> | -        | 1-       | ╀       | +                       | +        | +        | +          |          | -        | 14       |          | t        | ۲        | +        | +            | 1              | +              | 1            | T                       | 7            |
| Γ   | 7           | 0           | 7            | Т              | Т       | T       | I        |   |          |          |           | 1                       |          | l     |          | 91           |    |          | L        | $\vdash$ | Ŀ        | +       | ╀                       | +        | +        | +          | 4        | -        | 14       |          | +-       | ╁        | +        | +            | +              | +              | +            | +                       | 1            |
| ۲   | 1           | Į١.         | 亣            | T              | T       | T       | 7        |   |          | Γ        | 1         | $oldsymbol{\mathbb{I}}$ |          | [     | _        | 92           |    |          | _        | ┡        | ↓_       | 4-      | 1                       | +        | +        | +          | 4        | 1        | 14       |          | +        | +        | +        | +            | +              | +              | +            | +                       | +            |
| t   | 7           | 3           | 力            | 十              | 7       | 1       | 7        |   | Γ        | T        | T         | T                       |          | [     |          | 93           |    |          |          | 1_       | 1        | 1       | 4-                      | +        | 4        | +          | 4        | -        |          |          | +-       | ╁        | +        | +            | +              | +              | ╫            | +                       | 1            |
| t   | ┪.          | 4           | 汁            | 十              | 7       | $\top$  | ┪        |   | Γ        | Т        | T         | T                       | 7        | ſ     |          | 94           |    |          |          | L        | L        | 1_      | $\bot$                  | 1        | 1        | _          | 4        | -        | 14       |          | +        | +        | +        | +            | +              | +              | ╫            | +                       | -            |
| H   | +           | 5           | 7            | -†             | +       | $\top$  | _        | _ | 1        | T        | 1         | 7                       | ٦        | .     |          | 95           |    |          |          |          | L        | ┸       | 1                       | 4        | 4        | 4          | _        | -        | 14       |          | 1-       | +        | +        | +            | +              | +              | +            | ╁                       | -            |
| H   | 7           | 4 5/6 7 8 9 | <del>J</del> | +              | _       | ヿ       | 7        |   | T        | 1        | †         | $\top$                  | ٦        | ١     |          | 96           |    |          |          |          | L        |         | $\perp$                 | $\perp$  | ┵        | 1          | _        | ŀ        | 14       |          | +        | +        | +        | +            | +              | +              | +            | +                       | 4            |
| H   | 1           | H           | 기            | 十              | 十       | 十       | $\dashv$ | _ | T        | T        | 十         | $\top$                  | ٦        |       |          | 97           |    |          |          | L        |          |         | 丄                       |          | $\perp$  | _          | _        | 1        | 14       |          | +        | +        | +        | +            | +              | +              | +            | +                       | 4            |
| H   | -           | <u>i</u>    | ᆉ            | +              | -+      | +       | $\dashv$ | _ | +        | T        | †         | 十                       | ٦        |       |          | ŝ8           |    |          | Γ        | Ι        | Ι        | I       | $oldsymbol{\mathbb{L}}$ |          |          | $\perp$    | $\Box$   | L        | 14       | -        | +        | +        | +        | +            | +              | +              | +            | +                       | ᅥ            |
| H   | 4           | 젊           | Ĭ            | -+             | -+      | -1      | ┪        |   | T        | +        | $\dagger$ | +                       | $\dashv$ |       |          | 99           |    | Γ        | Γ        | L        | Ι        | $\perp$ |                         |          | $\perp$  | $\perp$    | _        | L        | 11       | 49       | +        | +        | +        | +            | +              | +              | +            | +                       | -            |
| ļ.  | ₴           | *4          |              | 크              | -+      | -+      |          | - | +        | +        | $\dashv$  | $^{+}$                  | _        |       |          | 100          |    |          | i _      |          | 1        | 1       | 1                       | -        | 1        | - 1        | - 1      | - 1      |          | 50       | ┸        |          | _L       |              | _1_            | ㅗ              |              | ᆚ                       | _            |

If more than 150 claims or 10 actions staple additional sh et h re

2/4